## Turbulent liquid crystals, KPZ universality, and the asymmetric simple exclusion process

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Thursday, October 6, 2011 007 Kemeny Hall, 4:00 pm (Tea 3:30 pm 300 Kemeny Hall)

## **Abstract**

We report on (1) recent experimental work on stochastically growing interfaces and (2) new theoretical developments for the KPZ equation, a stochastic nonlinear PDE, and the closely related asymmetric simple exclusion process.